



# LED F1 LIGHT SOURCE



# LED LIGHT SOURCE WITH FIBRE-OPTIC



## LED F1

- ▶ Infinitely variable brightness control
- ▶ No fan (no vibrations, stability)
- ▶ Whenever super-low-noise operation without vibrations is required
- ▶ ESD socket

## LED F1 R (with remote socket)

Same as F1, plus:

- ▶ Remote socket for serial interface (RS-232) for computerised control

## ACCESSORIES



**Adapter for Schott light guides**



**Serial interface (R 232)** for additional control, with memory function.

## Weighted insertable module

*(no illustration):* When using goose-neck light guides the module can be attached to the underside of the light source to enhance its stability.

## LIGHT GUIDES

## TECHNICAL DATA

<b>COLD LIGHT SOURCE</b>	<b>LED F1 (633-20-00299)</b>	<b>LED F1 R (633-20-00399)</b>
Lamp	high-power LEDs	
Control range	min. 30:1	
Colour temperature	5 500 K (daylight)	
Power input	22 W	
Power supply	24 V DC +/- 5%; 100 mA; socket for hollow pin 5.5 x 2.1 mm	
Brightness control	infinitely adjustable using rotary potentiometer; with index marks	
LED service life	50 000 h	
Light guide connection	Photonic standard (Ø 15 mm, galvanic isolation)	
Remote socket	no	yes
ESD socket	for 4 mm banana plug for potential equalisation	
Power cord	plug-in	
Dimensions (L x W x H)	96 x 110 x 175 mm without controls	
Weight	2 500 g	
Type of protection (protection class)	III	
Conformity	CE (EMC Directive 2004/108/EC), RoHS	

<b>WEIGHTED INSERTABLE MODULE (633-30-003)</b>	
Dimensions (L x W x H)	85 x 50 x 16 mm
Weight	500 g

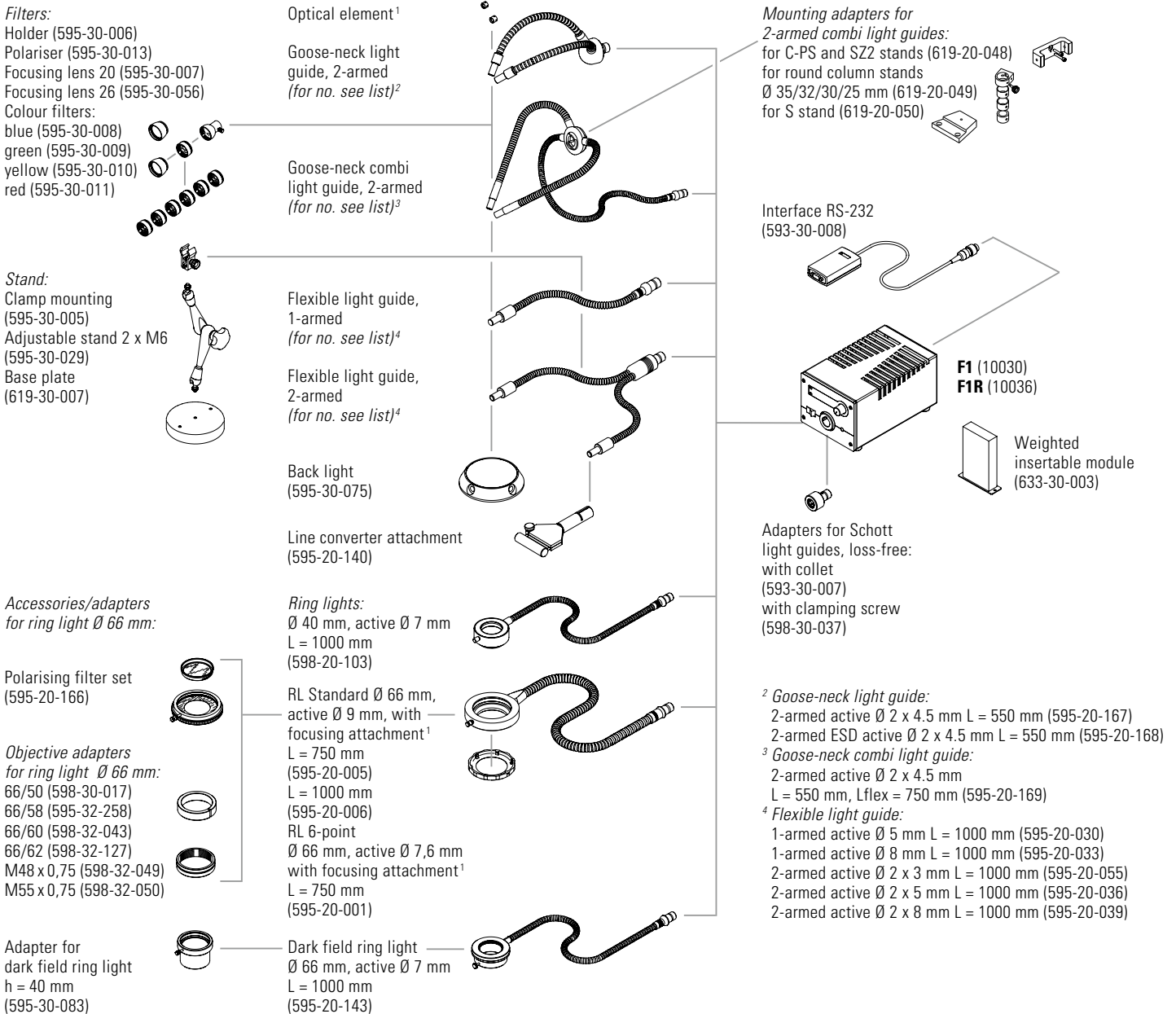
**PHOTONIC'S LED F1 LIGHT SOURCE** combines LED illumination with the possibilities offered by a fibre-optic light source. By use of the Photonic light guides, with the patented focusing attachments, which provide a further substantial increase in brightness, this light source achieves the performance of standard fibre-optic halogen lighting systems.

The light source is designed for the use with any Photonic fibre-optic light guide, thus facilitating the wide range of illumination options provided by halogen light sources.

**IT IS AN INNOVATIVE LIGHTING SYSTEM** which, compared to halogen light sources, offers numerous product features at an extremely attractive price:

- ▶ colour temperature: daylight quality
- ▶ very long service life of up to 50 000 h
- ▶ no IR radiation, no UV radiation
- ▶ minimal object heating
- ▶ brightness control with memory function
- ▶ ripple-free and flicker-free
- ▶ no noise, no vibrations
- ▶ free from air turbulence
- ▶ insensitive to shock and vibrations
- ▶ wide-range power supply for worldwide use
- ▶ compact construction
- ▶ ESD protection
- ▶ user safety
- ▶ minimum energy use
- ▶ environmentally friendly.

# THE ENTIRE SYSTEM



<sup>1</sup> included in standard scope of delivery



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